

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-15,287

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S)

Irwin J. SINGER et al.

FILING DATE

GROUP

J0846 U.S. PTO
09/724622**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>m</i>	AA	3,338,992	08/1967	Kinney	264	24	
	AB	3,341,394	09/1967	Kinney	161	72	
	AC	3,502,538	03/1970	Petersen	161	150	
	AD	3,502,763	03/1970	Hartmann	264	210	
	AE	3,542,615	11/1970	Dobo et al.	156	181	
	AF	3,692,618	09/1972	Dorschner et al.	161	72	
	AG	3,802,817	04/1974	Matsuki et al.	425	66	
	AH	3,849,241	11/1974	Butin et al.	161	169	
	AI	4,340,563	07/1982	Appel et al.	264	518	
	AJ	6,001,303	12/1999	Haynes et al.	264	555	
	AK	3,458,387	07/1969	Suskind et al.	161	154	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Am</i>	AL	0 729 375 B1	04/1999	EPO	B01D	39/08		
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

Mya...

DATE CONSIDERED

8-16-2002

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

KCC-1108

P1005.1/14

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-15,287

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT(S)

Irwin J. SINGER et al.

FILING DATE

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>qu</i>	AA	4,196,245	04/1980	Kitson et al.	428	198	
	AB	4,756,786	07/1988	Malaney	156	308.2	
	AC	4,904,521	02/1990	Johnson et al.	428	284	
	AD	5,073,436	12/1991	Antonacci et al.	428	219	
	AE	5,213,881	05/1993	Timmons et al.	428	224	
	AF	5,258,220	11/1993	Joseph	428	284	
	AG	5,415,925	05/1995	Austin et al.	428	287	
	AH	5,454,848	10/1995	Miller	65	442	
	AI	5,464,688	11/1995	Timmons et al.	428	298	
	AJ	5,554,435	09/1996	Gupta et al.	428	224	
	AK	5,616,408	04/1997	Oleszczuk et al.	442	346	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

P1005.1/ 14

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-15,287

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT(S)

Irwin J. SINGER et al.

FILING DATE

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ms</i>	AA	5,660,910	08/1997	Hoyt et al.	428	95	
	AB	5,804,512	09/1998	Lickfield et al.	442	346	
	AC	5,811,178	09/1998	Adam et al.	428	218	
	AD	5,817,584	10/1998	Singer et al.	442	345	
	AE	5,855,784	01/1999	Pike et al.	210	505	
	AF	5,885,909	03/1999	Rudisill et al.	442	82	
	AG	5,939,341	08/1999	Brown et al.	442	351	
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-15,287

SERIAL NO.

09/724,622

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S)

Irwin J. SINGER et al.

FILING DATE

28 November 2000

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>aw</i>	AA	4,714,647	12/1987	Shipp, Jr. et al.	428	212	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

Am. Wells

DATE CONSIDERED

8-16-2002

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

P1005.2/ 14